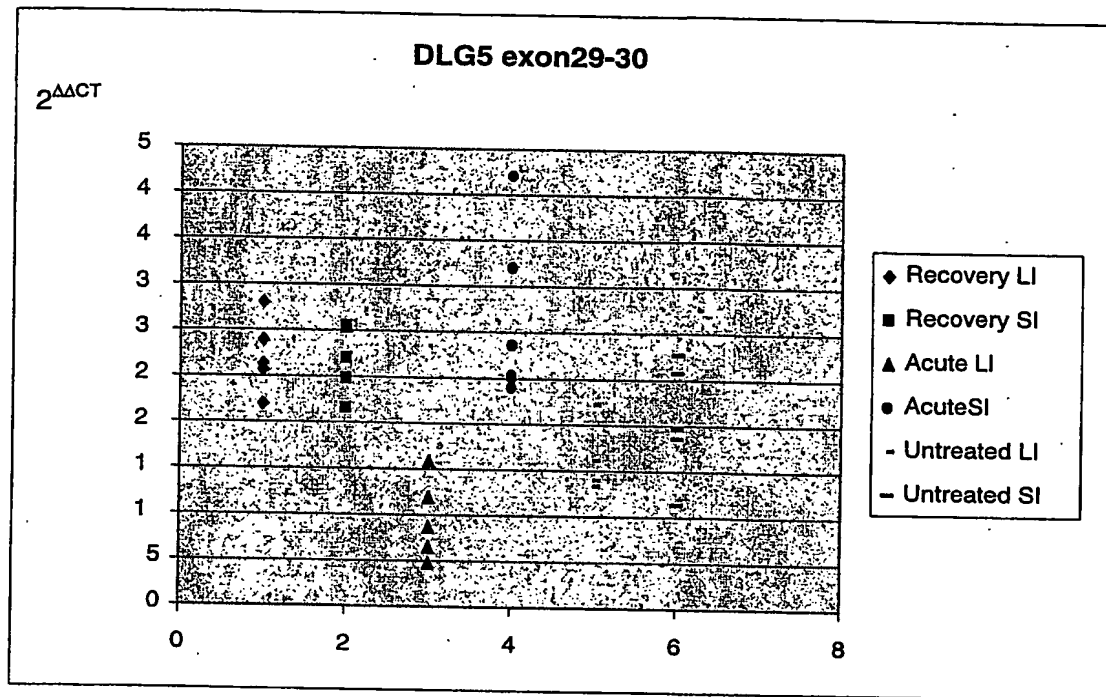**Figure 1**

Figure 2

<u>Sequence listing:</u>

SEQ ID NO: 1 shows a 7430 base pairs nucleotide sequence of an alternative
dlg5 cDNA. Predicted start and stop codons are underlined. The first 328
nucleotides are derived from the novel 5' exon.

5 SEQ ID NO:2 shows the predicted DLG5 peptide sequence of 1919 amino acids

SEQ ID NO: 3 shows the sequence of the novel 5' sequence identified for
dlg5.

SEQ ID NO: 4 shows the proposed 5' sequence from EMBL entry AF352034.

SEQ ID NO: 5 shows the putative promoter sequence for dlg5.

10 SEQ ID NO: 189 shows the 7269 base pairs nucleotide sequence of N-
terminally truncated dlg5 cDNA. Predicted start and stop codons are
underlined. The first 166 nucleotides are derived from the novel 5' UTR
exon.

SEQ ID NO: 190 shows the predicted N-terminally truncated DLG5 peptide
15 sequence of 1809 amino acids derived from SEQ ID NO: 189.

SEQ ID NO:1

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35 GCGGCGCAGAAGCTTGAGCAGGAGTACAGCAGGTACTTCACAGGGGTCATCCAGGGAGGAGCCCTGTCAAGCATT
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AATGCTGTGCTGTGGATGACTGCAGCTGGCCGCCTGAGGGGACACCAGACTCAGCTCTTTTCTAGCGACTGAAAG
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40 ACAGATAACACTAAAGACGGGTTCAGCACCCACCTTTCTTTAGCCAGCTGATCAGAGATGCTGCAAAGAGAACCT
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CTTGGAACCTCAATGGGGGCTGCTTTGCTTTGGGAGGTTCTTGTTGGTGGGACCAGAGCTTTGACAAACCTCCTG
CTCCTTGGTGGCACCTCTCCTGGAAGGACGTCACAACTCCAGGTGCTCAGACTGCCTGTGGCAGCAGAACCAGTG

45 CCTTTGGCATTTTCCTCCCACAATGGGGAAGGTGACTTTGGCATTCTTACAAACTCGTCTCTCGGCCTTTCTCTC
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CGTGGGCAGGGCTGCAGTGGGGTCCAGGTGGTGTTCAGCTGTGCTGATGCCTGCCATTGGGTCCTCCTTAGGCTC
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5 TACTCAGTGTGGGTGTCTTCGTTTGGGGGCTTTTTTTTTTTTGCACTTCTGAGGCTAGATATGTCTGGCTGAAG
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10 GACAAACTATGAAAAACTGTAGACTATTCTCAAGGTATTAACTCGCAGACCCTCTGGGGGTAGGGGCTGTTTTCT
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15 MPSDSESSSSLSSVGTTGKAPSPPPPLLTDQQVNEKVENLSIQLRLMTRERNELRKRLAFATHGTAFDKRPYHRLN
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25 PGGSSSFLHKPFPGGPLQVCPQACPSASERSLSSFRSDASGDRGFGLVDVRGRRPLLPFETEVGPCGVGEASLDK
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30 SHRTCSDYSEMRATHGSNSLPSSARLGSSSNLQFKAERIKIPSTPRYPRSVVGSERGSVSHSECSTPPQSPLNID
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35 ELSFKKDDILYVDDTLPQGTFGSWMAWQLDENAQKIQRGQIPSKYVMDQEFSRRLSMSEVKDDNSATKTLSAAAR
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VLWIPACPL

40